

Figure 1. The conceptual parsing architecture.

Input buffer: the data structure that contains the character string to be parsed.
We assume the characters are encoded by UNICODE.

FIG. 1

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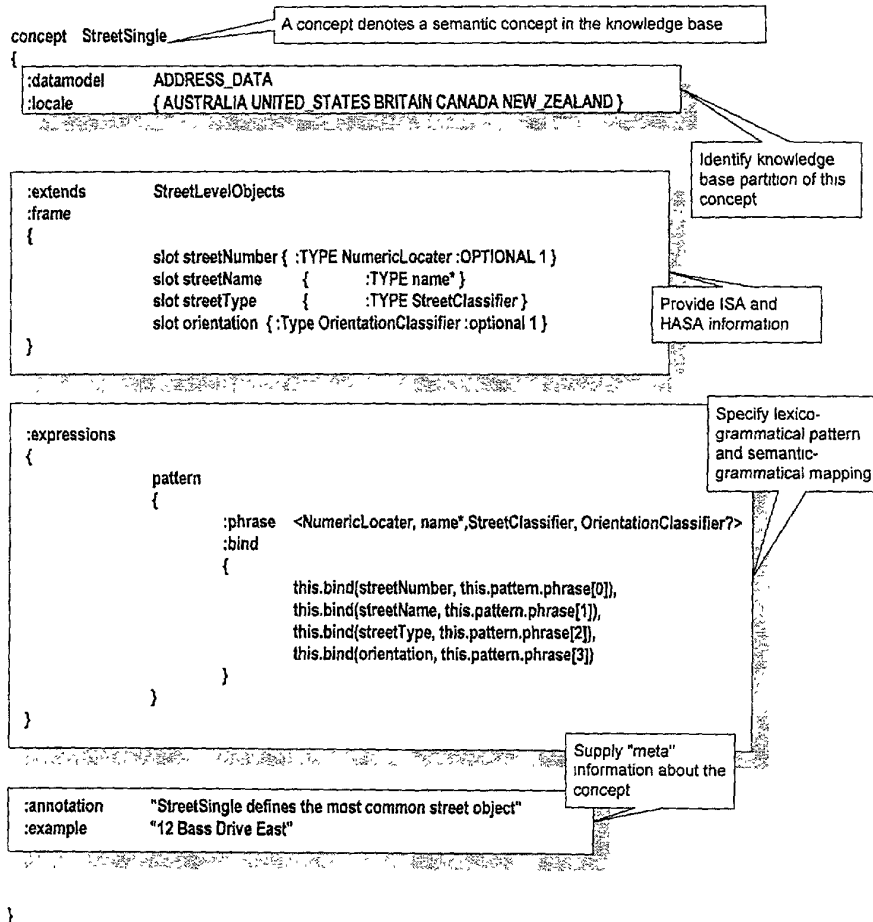


FIG. 2

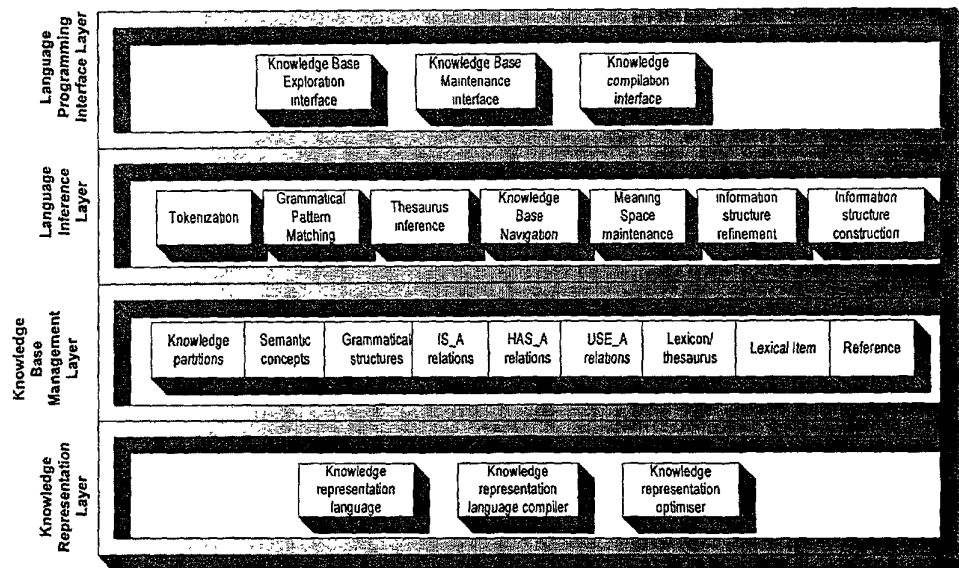
[illegible]

FIG. 3

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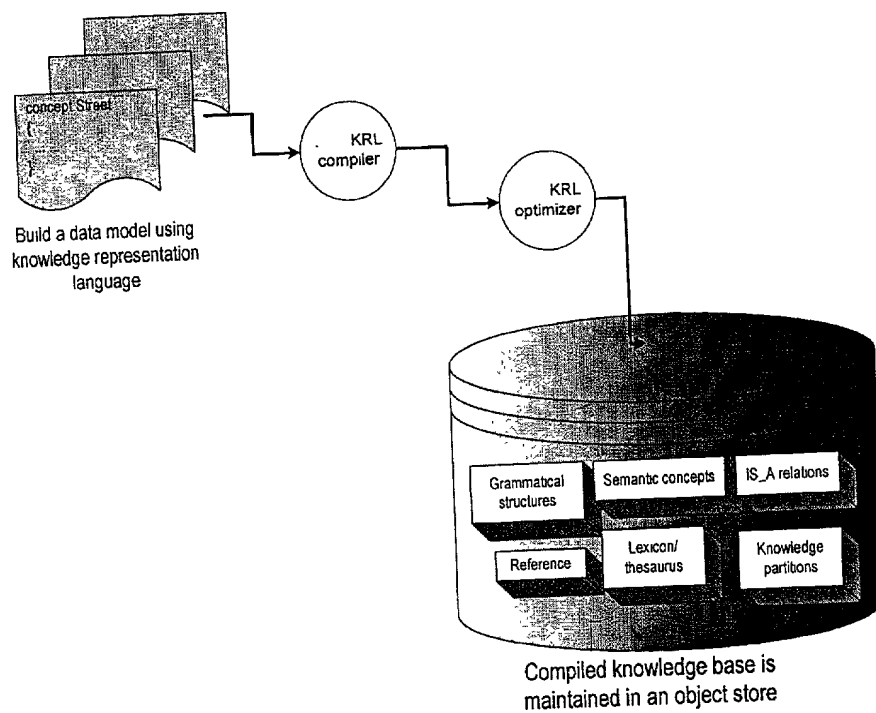


FIG. 4

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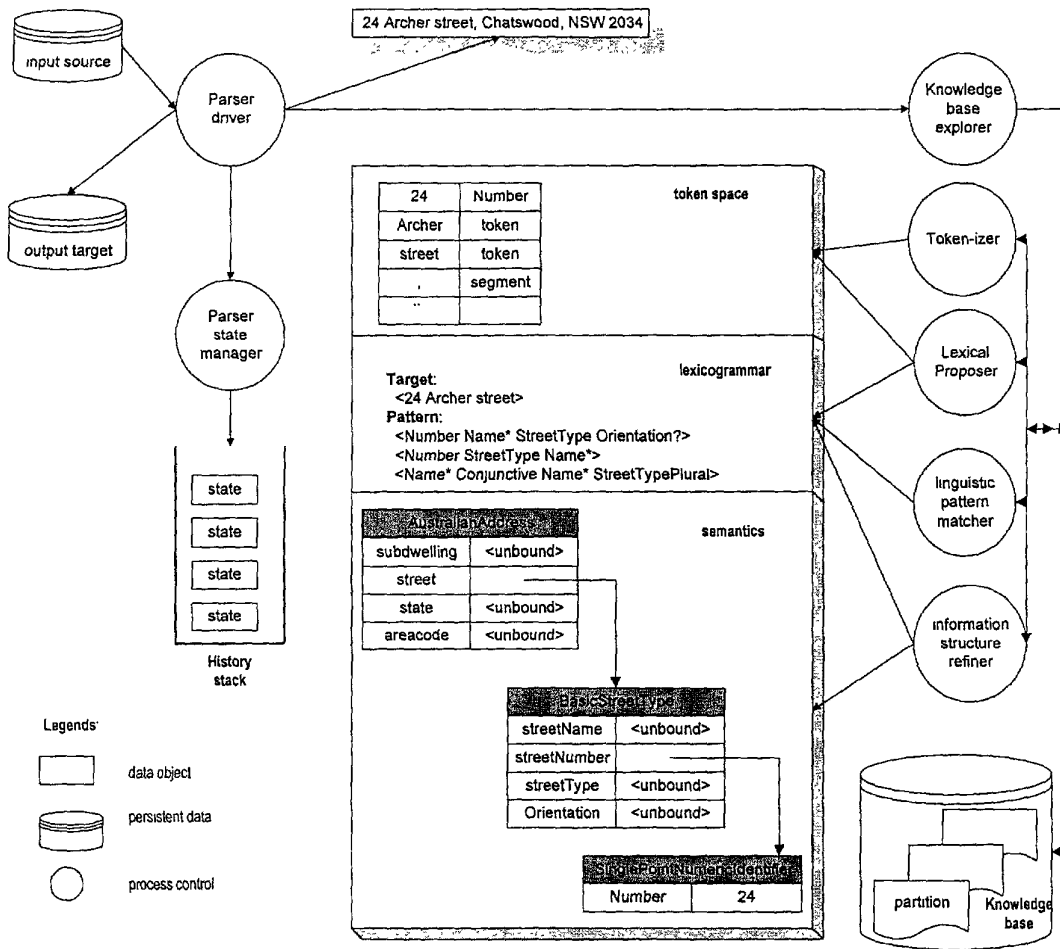


FIG. 5

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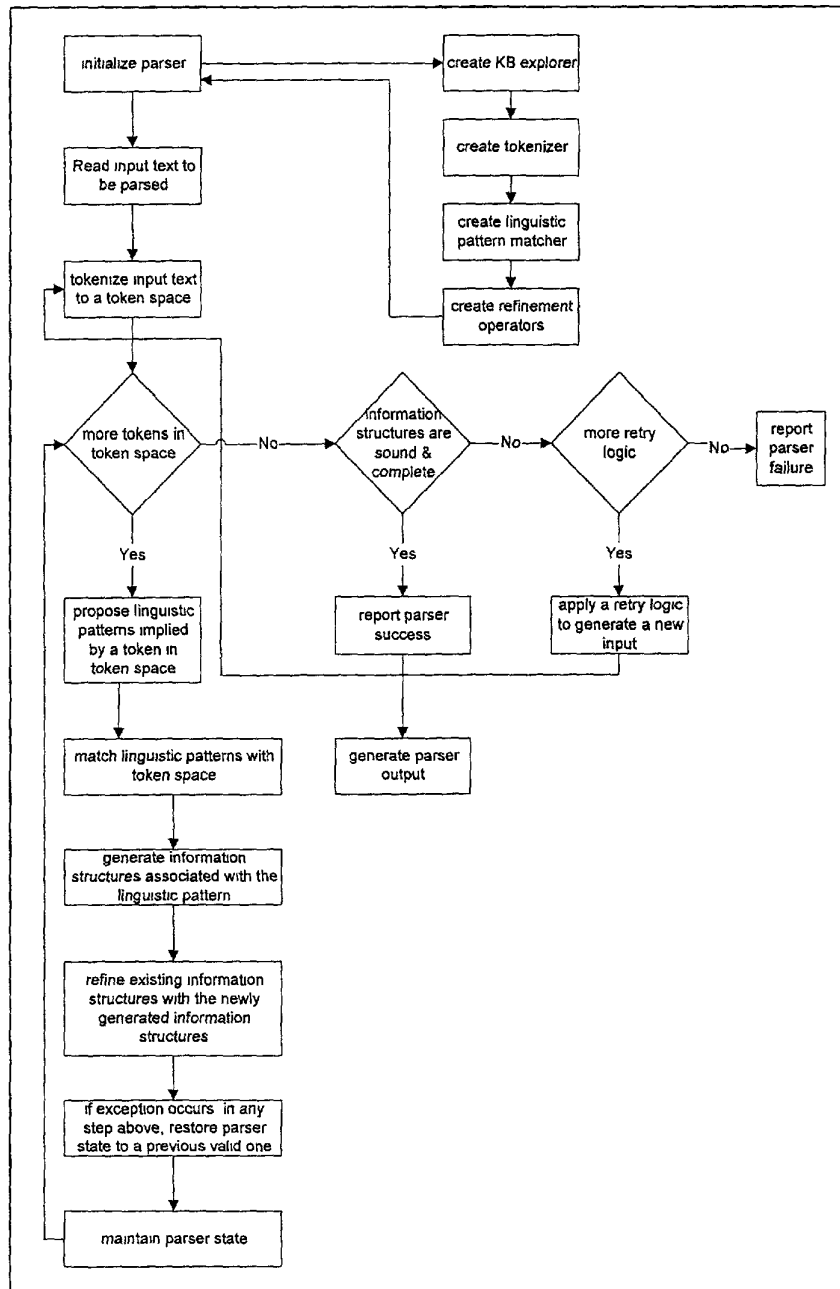


FIG. 6

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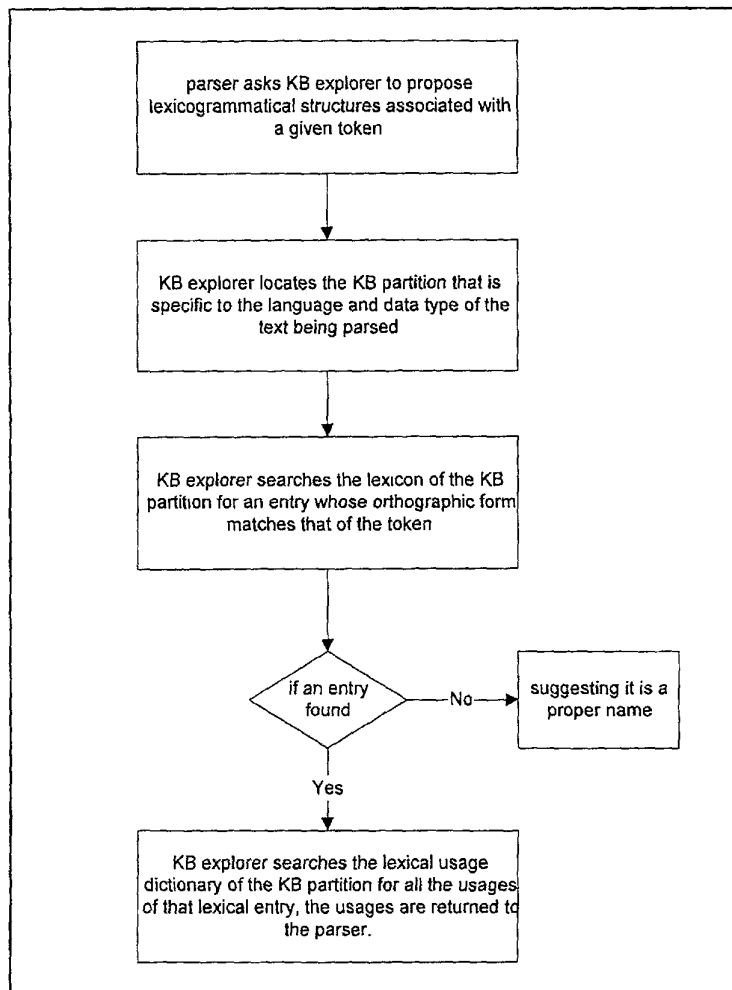


FIG. 7

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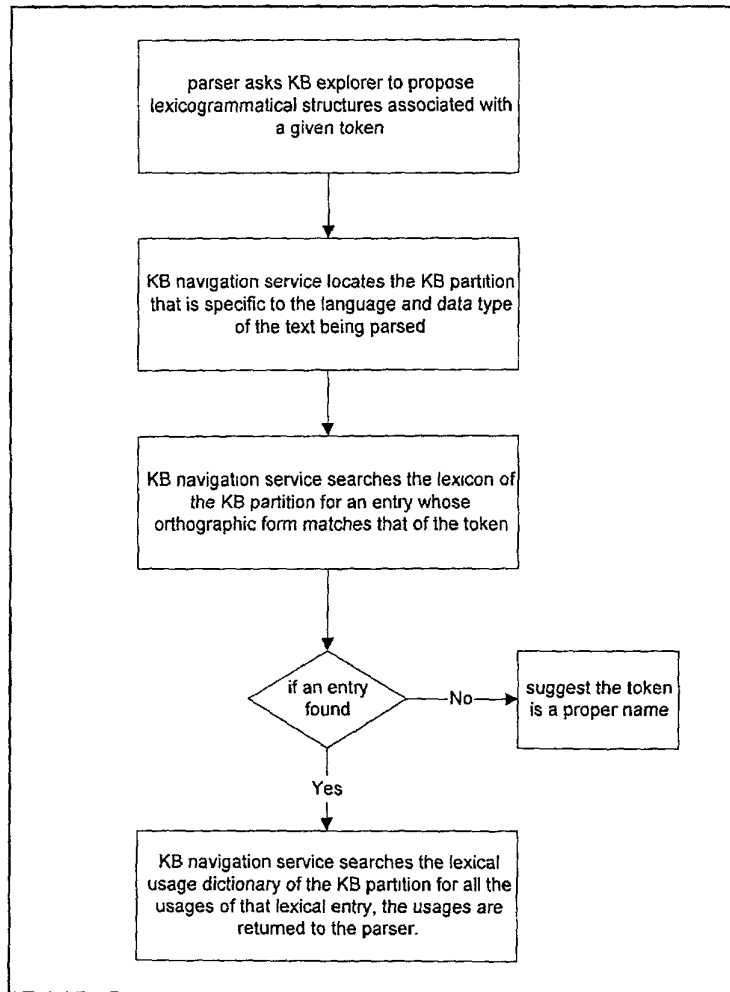


FIG. 8

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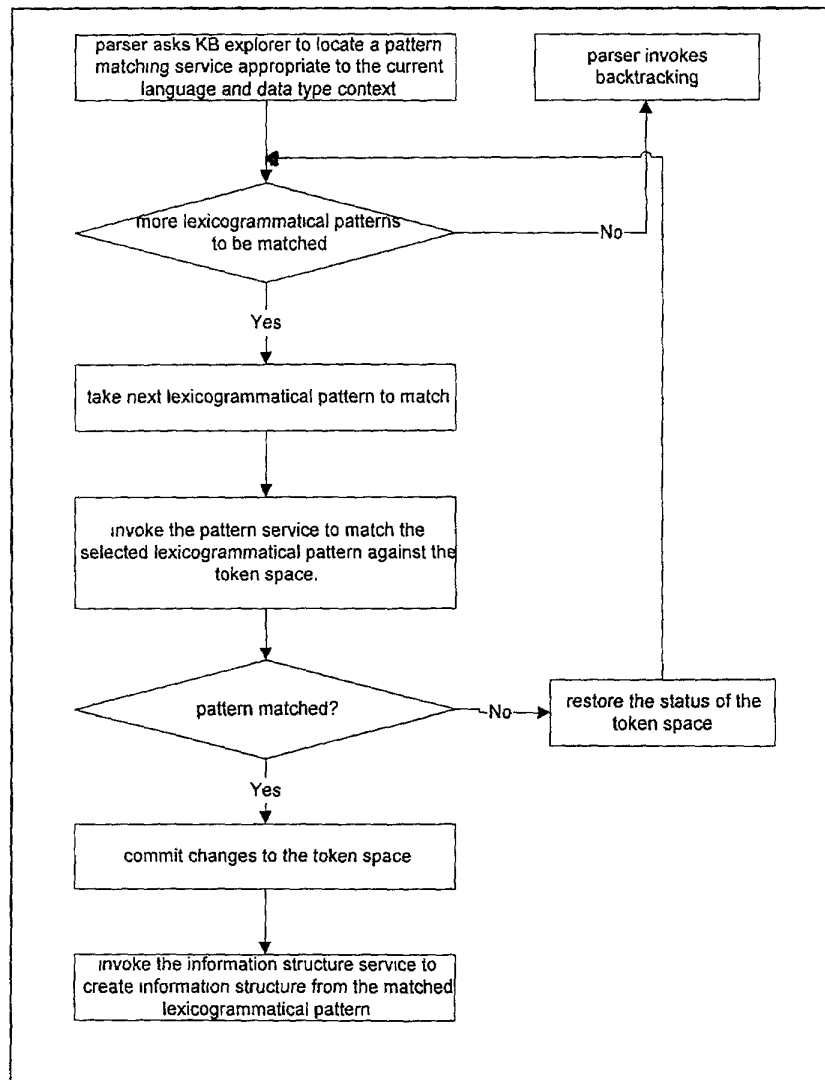


FIG. 9

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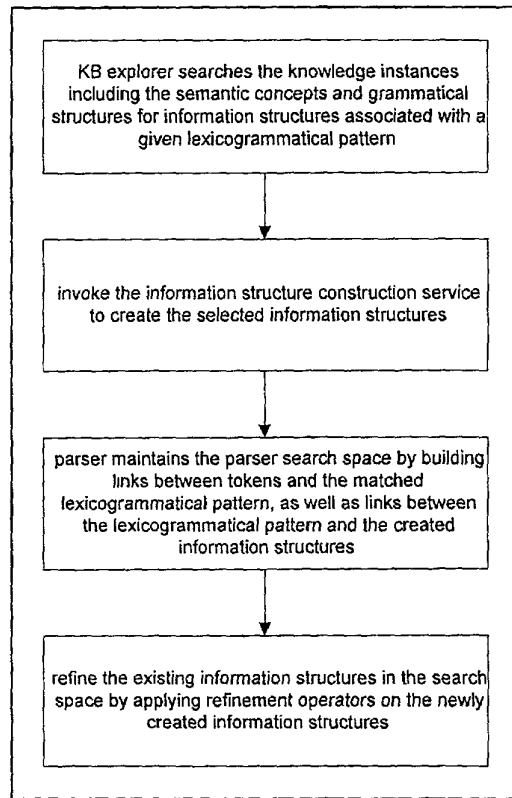


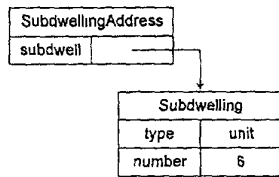
FIG. 10

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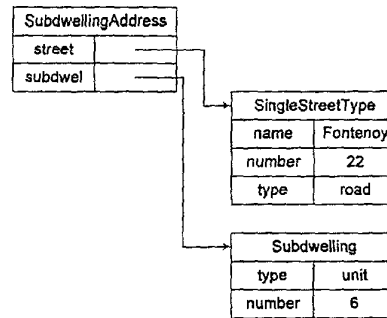
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Example address: unit 6, 22 Fontenoy road, ...

existing information structure



refined information structure



new information structure

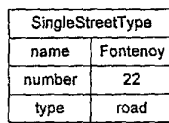
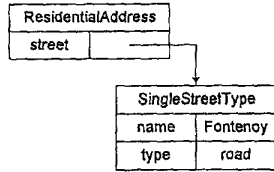


FIG. 11

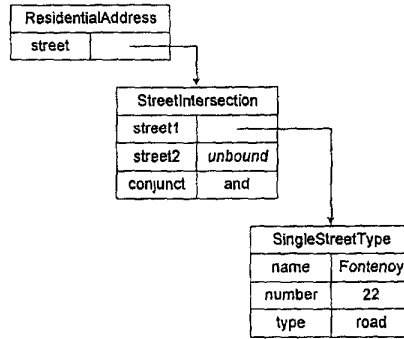
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Example address. Fontenoy road and Curzon street, . . .

existing information structure



refined information structure



encapsulation

new information structure

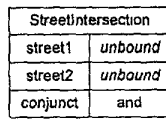
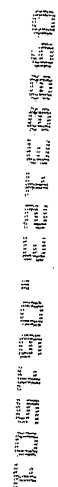


FIG. 12

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[illegible][illegible][illegible]

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Example address. unit 6,

existing information structure

new information structure

Subdwelling	
type	unit
number	6



refined information structure

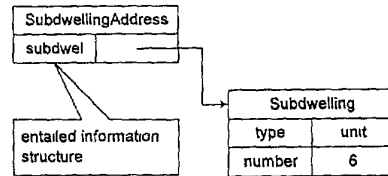


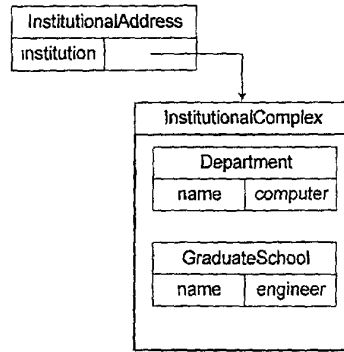
FIG. 14

2025-06-10 14:23:00

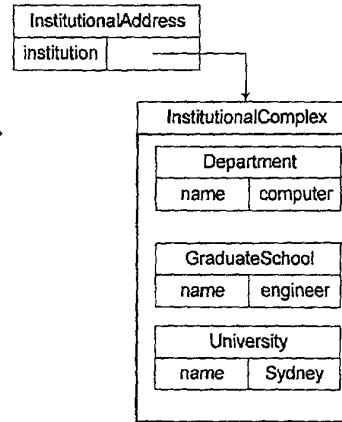
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Example address: Dept. of computer science, school of engineering, Univ. of Sydney,

existing information structure



refined information structure



new information structure

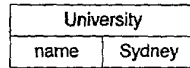


FIG. 15

FIG. 15

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10

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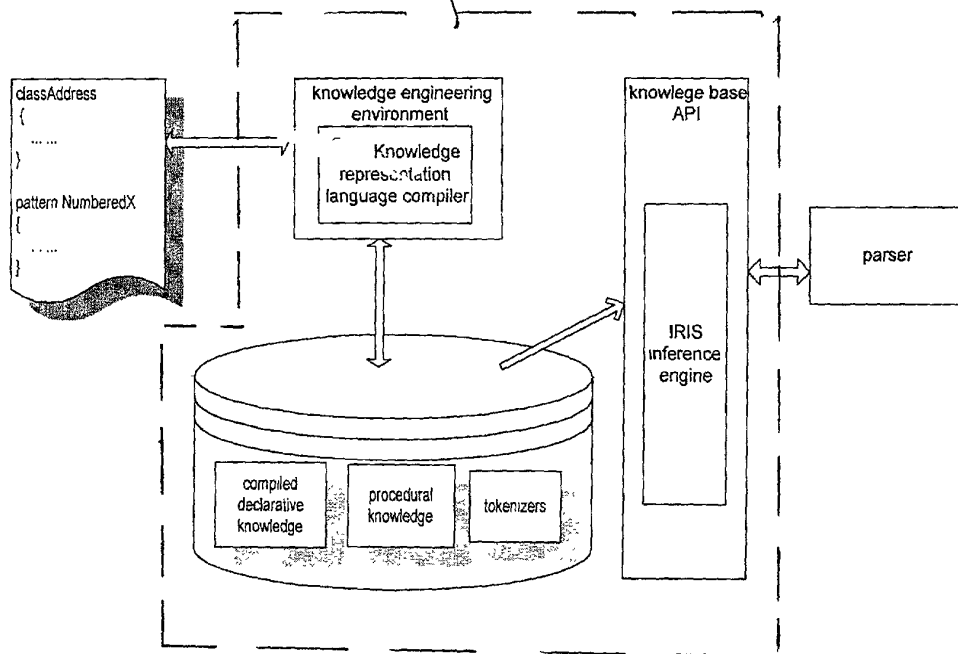


FIG. 16

FIG. 16

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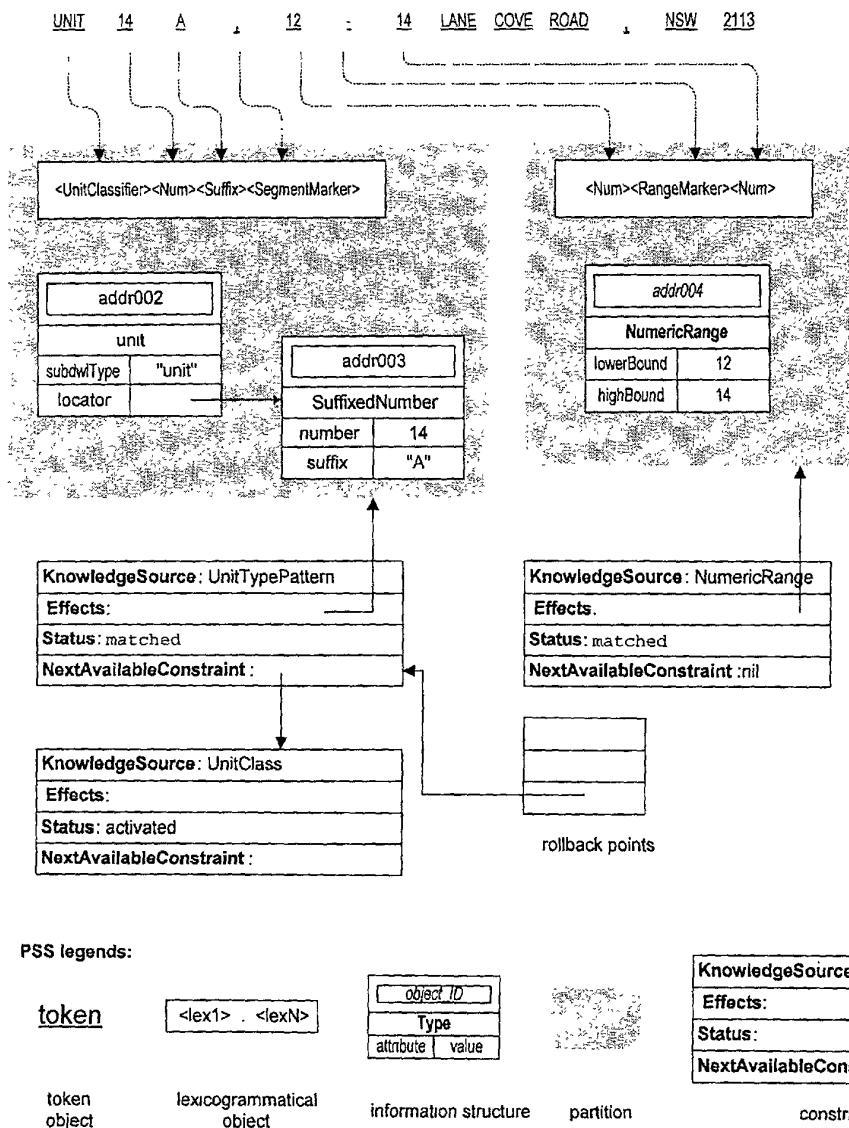


FIG. 17

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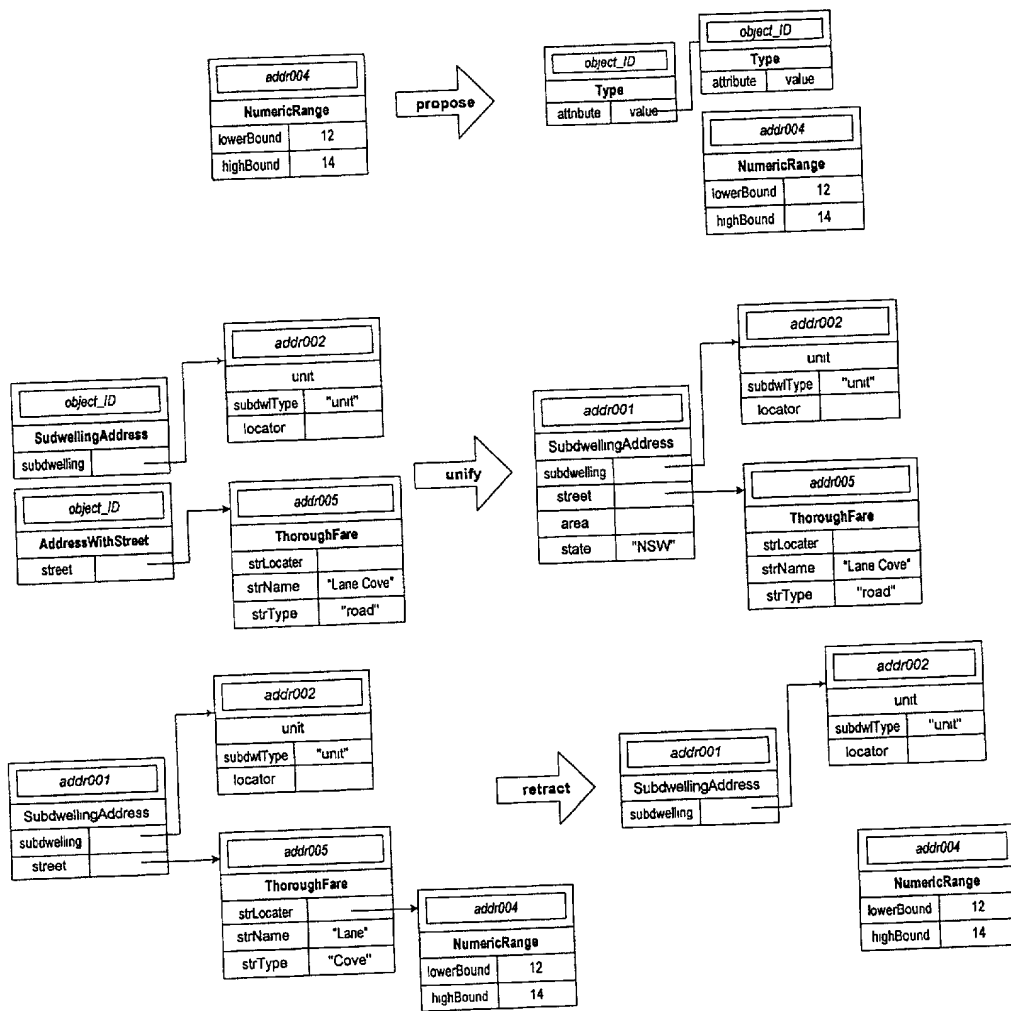


FIG. 18

DRAFT

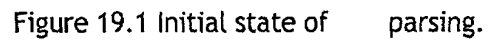


FIG. 19.1

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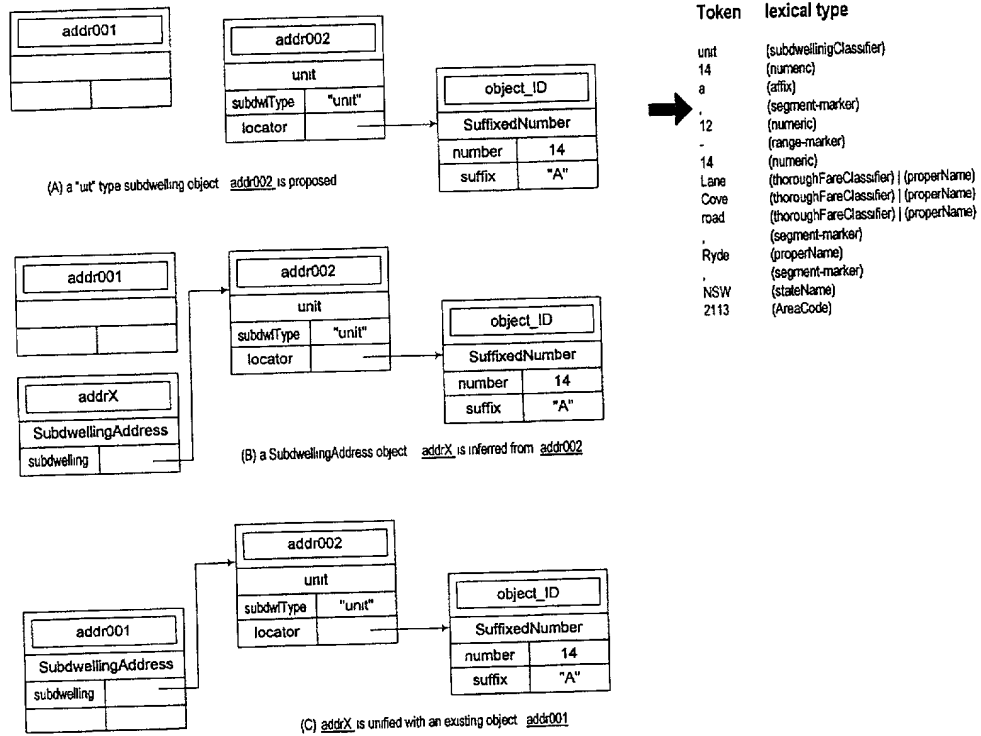


Figure 19.2. Address objects built after parsing "unit 14A".

FIG. 19.2

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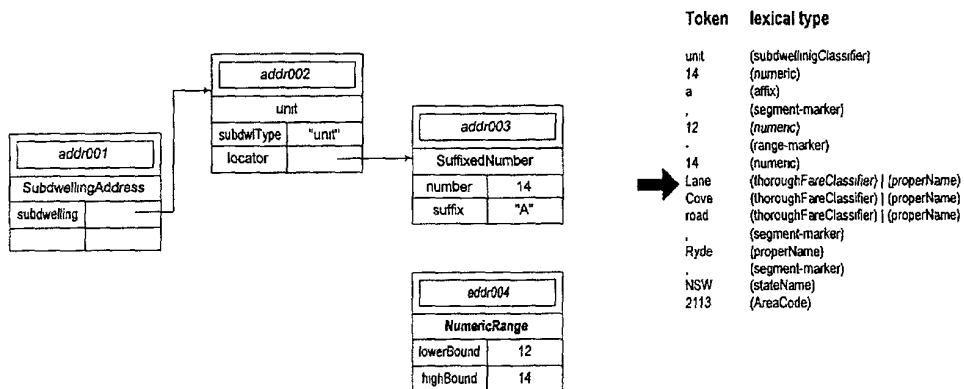
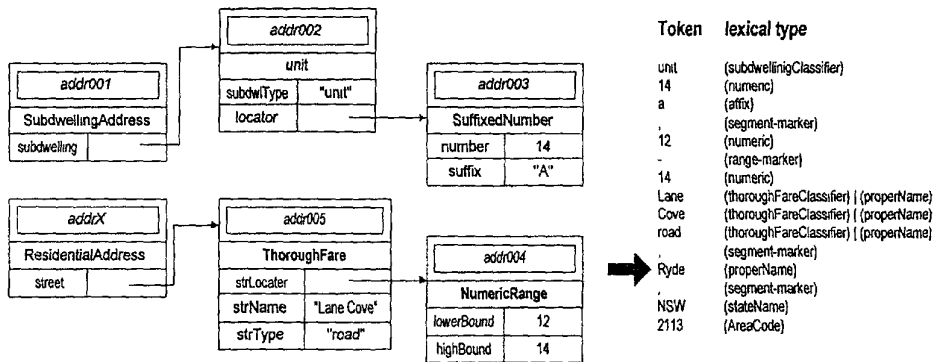


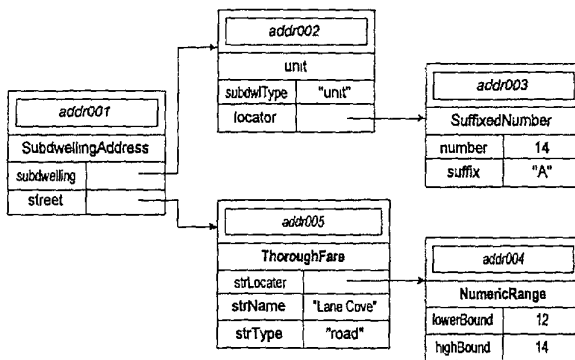
Figure 19.3. Temporary information structure held in stack.

FIG. 19.3

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(a) a ThoroughFare object is created and a ResidentialAddress object addrX is inferred.



(b) addrX is unified with the existing addr001 object, elaborating the structure of the latter

Figure 19.4. Information structure obtained after parsing "12-14 Lane Cove Road".

FIG. 19.4

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the control group. The experimental group was divided into two subgroups: the experimental group and the experimental group. The control group was divided into two subgroups: the control group and the control group. The experimental group was divided into two subgroups: the experimental group and the experimental group.



FIG. 19.5